



**CITY OF EAST CHICAGO**  
*Anthony Copeland, Mayor*

**East Chicago Sanitary District**  
Dr. Abderrahman Zehraoui, Director

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October 21, 2019

Natalie Maupin  
Indiana Department of Environmental Management  
Office of Water Quality-Mail Code 65-42  
Compliance Evaluation Section-Pretreatment Group  
100 North Senate  
Indianapolis, IN 46204-2251

**RE: East Chicago Sanitary District  
Quarterly Compliance Pretreatment Report  
1st Quarter Report of 2018**

To Natalie Maupin:

In accordance with Part III A (1) of the NPDES Permit No. 0022829, the East Chicago Sanitary District Pretreatment Staff has prepared and enclosed the Quarterly Report for the 1st Quarter of 2018. Should you have any questions, please contact me at (219) 391-8466.

Sincerely,

Kenneth L. Myers

CC: Newton Ellens, USEPA  
Abderrahman Zehraoui, Ph.D., Director of Utilities, ECSD  
Nickie Geros, Pretreatment Coordinator, ECSD

Encls.

**EAST CHICAGO SANITARY DISTRICT**  
**EAST CHICAGO, INDIANA**  
**1st QUARTER**  
**INDUSTRIAL COMPLIANCE STATUS REPORT**  
**2018**

The District has a total of 23 permitted Industrial Users (IUs), eight which are categorized as Significant Industrial Users (SIUs). The eight SIU permittees consist of five Categorical Industrial Users (CIUs) [Outfall #312 ó Electric Coatings, Outfall #415 - TAC East Inc., Outfall #514 ó National Processing Corporation, Outfall #521 - Lakeshore Railcar Services, and Outfall #901 ó Safety Kleen] and three other IUs [Outfall #401 ó W. R. Grace, Outfall #936 ó US Steel Corporation, and Outfall #951 US Gypsum].

Except for the permitted IUs involving groundwater remediation projects (Outfalls 112, 124 and 411), each of the permitted IUs are sampled on monthly basis, as a minimum. This compliance report covers the period from January 1, 2018 to March 31, 2018.

The permitted industrial users (IUs) were sampled during this quarter on the dates listed below.

Outfall	Company	Number of Sampling Events		
		Jan	Feb	Mar
112	GATX	0	0	0
124	Buckeye Pipeline	0	0	0
312	Electric Coatings	1	1	1
401	WR Grace	1	1	1
411	USS Lead Site	0	0	0
415	TAC East	1	1	1
421	Central States Marketing	1	1	1
511	Green Lake Tube	1	1	1
514	National Processing	1	1	1
518	ICO Polymers	1	1	1
521	Lakeshore Railcar	2	2	2
531	Praxair, Inc. Production	1	1	1
541	Praxair, Inc. Rare Gases	1	1	1
611	Arcelor Mittal- Research	1	1	1
804	Arcelor Mittal East	1	1	1
805	Arcelor Mittal East	1	1	1
901	Safety-Kleen	2	2	2
931	Arcelor Mittal West	1	1	1
934	Arcelor Mittal West	1	1	1
935	Arcelor Mittal West	1	1	1
936	US Steel	1	1	1
941	Praxair, Inc. HyCO	1	1	1
951	US Gypsum	1	1	1

No sampling was completed at #112 GATX, consisting of a groundwater remediation system for treating impacted petroleum groundwater, did not complete sampling during the quarter as the remediation system was not installed as of this date.

Another IU, #124 Buckeye Pipeline, maintains a discharge permit for several dewatering and groundwater remediation projects. No sampling was performed during the second quarter as there were no discharges to the sanitary sewer outfall.

No sampling was performed at #411 USS Lead remediation site. This discharge consists of groundwater pumped as part of the hydraulic controls for their maintenance of the landfill cap at the property.

During the 1st quarter of 2018, the following Categorical Industrial Users (CIUs) experienced violations with the following parameters and are summarized as follows:

<b>East Chicago Sanitary District</b> <b>Compliance Status Report</b> <b>Report Date Range: 1/1/2018 - 3/31/2018</b>				
Varnu	Variable	Violation	Limit Description	Limit
57191	415 Amen. Cyanide {mg/L}	3	Daily Maximum Limit	>0.004
60199	514 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
61199	518 Cl2 Residual {mg/L}	3	Daily Maximum Limit	>0.4
62191	521 Amen. Cyanide {mg/L}	6	Daily Maximum Limit	>=0.004
66199	611 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
70191	901 Amen. Cyanide {mg/L}	6	Daily Maximum Limit	>=0.004
76191	951 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004

No other violations were noted during the 1<sup>st</sup> quarter 2018 pretreatment monitoring by the District or IU self-monitoring reports. The violations at the IUs noted above were handled in accordance with the Sanitary District's Response Plan and Sewer Ordinance. The following summarizes the Notices of Violations (NOVs) and fines that were issued to the various users. No fines were issued in instances where the residual chlorine concentration violation may have been attributable to residual chlorine in the potable water supply.

Sample Date	Outfall	Parameter(s)	Reported Concentration	Fine Amount
1/17/2018	415	CN	0.005	\$ 1,000
1/17/2018	415	CN	0.005	\$ 1,000
3/13/2018	415	CN	0.007	\$ 1,000
3/13/2019	514	Res Cl2	0.69	No Fine
1/30/2018	518	Res Cl2	0.8	No Fine
2/21/2019	518	Res Cl2	0.46	No Fine
3/7/2019	518	Res Cl2	1	No Fine
1/11/2018	521	CN	0.006	\$ 1,000
1/24/2018	521	CN	0.005	\$ 1,000
2/15/2018	521	CN	0.026	\$ 1,000
2/27/2018	521	CN	0.005	\$ 1,000
3/8/2018	521	CN	0.005	\$ 1,000
3/21/2019	611	Res Cl2	0.44	No Fine
1/8/2019	901	CN	0.144	\$ 2,500
1/25/2019	901	CN	0.266	\$ 2,500
2/6/2018	901	CN	0.247	\$ 2,500
2/26/2018	901	CN	0.05	\$ 2,500
3/13/2018	901	CN	0.017	\$ 2,500
3/27/2018	901	CN	0.041	\$ 2,500
2/15/2019	951	CN	0.0054	\$ 1,000

A Quarterly Summary Report for each IU having a violation between the period January 1 through March 31, 2018 is included as an attachment to this letter.

## **Monthly Pretreatment Monitoring Report Summaries for IUs with Violations**

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: *TAC East, Inc.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/17/18	7.4	01/17/18	0.00	01/17/18	0.0008	01/17/18	0.018	01/17/18	0.0000
Sample #2 Date, Result	02/14/18	5.9	02/14/18	0.0000	02/14/18	0.0003	02/14/18	0.030	02/14/18	0.0000
Sample #3 Date, Result	03/14/18	6.6	03/14/18	0.0000	03/14/18	0.0002	03/14/18	0.02	03/14/18	0.0000
Minimum		5.9		0.0000		0.0002		0.0180		0.0000
Maximum		7.4		0.0000		0.0008		0.0300		0.0000
Average		6.6		0.0000		0.0004		0.0240		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	02/14/18	0.1600	01/17/18	0.1600	01/17/18	0.0000	01/17/18	0.0000	01/17/18	0.2500
Sample #2 Date, Result	03/14/18	0.1800	02/14/18	0.1800	02/14/18	0.0000	02/14/18	0.0000	02/14/18	0.9100
Sample #3 Date, Result			03/14/18	0.0390	03/14/18	0.0008	03/14/18	0.0000	03/14/18	0.2900
Minimum		0.1600		0.0390		0.0000		0.0000		0.2500
Maximum		0.1800		0.1800		0.0008		0.0000		0.9100
Average		0.1700		0.1263		0.0003		0.0000		0.4833
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	02/14/18	0.0000	02/14/18	0.0000	01/17/18	0.2000	02/14/18	0.0000	01/17/18	0.3300
Sample #2 Date, Result					02/14/18	0.3900	03/14/18	0.0000	02/14/18	2.1000
Sample #3 Date, Result					03/14/18	0.2100			03/14/18	5.1000
Minimum		0.0000		0.0000		0.2000		0.0000		0.3300
Maximum		0.0000		0.0000		0.3900		0.0000		5.1000
Average		0.0000		0.0000		0.2667		0.0000		2.5100
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	01/17/18	0.5200	01/17/18	0.0600	01/17/18	0.0019	01/17/18	0.0058	01/17/18	0.0000
Sample #2 Date, Result	02/14/18	0.5600	02/14/18	0.0100	02/14/18	0.0017	02/14/18	0.0060	02/14/18	0.0000
Sample #3 Date, Result	03/14/18	2.4800	03/14/18	0.0200	03/14/18	0.0000	03/14/18	0.0090	03/14/18	27.4000
Minimum		0.5200		0.0100		0.0000		0.0058		0.0000
Maximum		2.4800		0.0600		0.0019		0.0090		27.4000
Average		1.1867		0.0300		0.0012		0.0069		9.1333
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	01/17/18	0.0900	02/14/18	380.0000	01/17/18	4,900.0000	01/17/18	1,600.00	01/17/18	7.00
Sample #2 Date, Result	02/14/18	0.0500			02/14/18	860.0000	02/14/18	2,100.00	02/14/18	20.00
Sample #3 Date, Result	03/14/18	0.0000			03/14/18	750.0000	03/14/18	1,800.00	03/14/18	36.00
Minimum		0.0000		380.0000		750.0000		1,600.00		7.00
Maximum		0.0900		380.0000		4,900.0000		2,100.00		36.00
Average		0.0467		380.0000		2,170.0000		1,833.33		21.00
	Sulfate		SGT-HEM							
Sample #1 Date, Result	01/17/18	360.000								
Sample #2 Date, Result	02/14/18	4,500.000								
Sample #3 Date, Result	03/14/18	680.000								
Minimum		360.000								
Maximum		4,500.000								
Average		1,846.667								

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: *TAC East, Inc.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper*	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury*	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0
SGT-HEM*	mg/L	26	0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

\*Site Specific Limit

\*\*If not specified, the unit is in mg/L

# of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: 514 National Processing Corp.

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/18/18	9.5	01/18/18	0.0042	03/13/18	0.0001	01/18/18	0.0130	01/18/18	0.0000
Sample #2 Date, Result	02/08/18	9.3	02/08/18	0.0097			02/08/18	0.0250	02/08/18	0.0000
Sample #3 Date, Result	03/13/18	6.8	03/13/18	0.0000			03/13/18	0.0220	03/13/18	0.0000
Minimum		6.8		0.0000		0.0001		0.0130		0.0000
Maximum		9.5		0.0097		0.0001		0.0250		0.0000
Average		8.5		0.0046		0.0001		0.0200		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	03/13/18	0.0510	01/18/18	0.0160	03/13/18	0.0000	01/18/18	0.0000	01/18/18	0.0140
Sample #2 Date, Result			02/08/18	0.0310			02/08/18	0.0000	02/08/18	0.0150
Sample #3 Date, Result			03/13/18	0.0180			03/13/18	0.0000	03/13/18	0.0100
Minimum		0.0510		0.0160		0.0000		0.0000		0.0100
Maximum		0.0510		0.0310		0.0000		0.0000		0.0150
Average		0.0510		0.0217		0.0000		0.0000		0.0130
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	03/13/18	0.0000	03/13/18	0.0000	01/18/18	0.1500	03/13/18	0.0000	01/18/18	0.2600
Sample #2 Date, Result					02/08/18	0.1600			02/08/18	0.1200
Sample #3 Date, Result					03/13/18	0.2800			03/13/18	0.2700
Minimum		0.0000		0.0000		0.1500		0.0000		0.1200
Maximum		0.0000		0.0000		0.2800		0.0000		0.2700
Average		0.0000		0.0000		0.1967		0.0000		0.2167
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	01/18/18	0.6900	03/13/18	0.3200	01/18/18	0.0130	03/13/18	0.0000	01/18/18	1.8000
Sample #2 Date, Result	02/08/18	1.0400			02/08/18	0.0150			02/08/18	8.1000
Sample #3 Date, Result	03/13/18	0.0700			03/13/18	0.0280			03/13/18	0.0000
Minimum		0.0700		0.3200		0.0130		0.0000		0.0000
Maximum		1.0400		0.3200		0.0280		0.0000		8.1000
Average		0.6000		0.3200		0.0187		0.0000		3.3000
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	01/18/18	0.4000	03/13/18	80.00	01/18/18	170.00	01/18/18	1,300.00	01/18/18	60.00
Sample #2 Date, Result	02/08/18	0.1000			02/08/18	210.00	02/08/18	1,300.00	02/08/18	56.00
Sample #3 Date, Result	03/13/18	0.6900			03/13/18	200.00	03/13/18	1,600.00	03/13/18	88.00
Minimum		0.1000		80.00		170.00		1,300.00		56.00
Maximum		0.6900		80.00		210.00		1,600.00		88.00
Average		0.3967		80.00		193.33		1,400.00		68.00
	Sulfate									
Sample #1 Date, Result	01/18/18	25.000								
Sample #2 Date, Result	02/08/18	23.000								
Sample #3 Date, Result	03/13/18	31.000								
Minimum		23.000								
Maximum		31.000								
Average		26.333								

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: 514 National Processing Corp.

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.3	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30.0	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31.0	0	0
Phenols	mg/L	1.0	0	0
Chromium	mg/L	7.000	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

\*Site Specific Limit

\*\*If not specified, the unit is in mg/L

# of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: ICO Polymers North America, Inc. (IPNA)

Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/30/18 7.8	02/21/18	0.0000	02/21/18	0.0006	02/21/18	0.0110	02/21/18	0.0000
Sample #2 Date, Result	02/21/18 7.7								
Sample #3 Date, Result	03/07/18 7.8								
Minimum	7.7		0.0000		0.0006		0.0110		0.0000
Maximum	7.8		0.0000		0.0006		0.0110		0.0000
Average	7.8		0.0000		0.0006		0.0110		0.0000
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	02/21/18 0.0000	02/21/18	0.0010	02/21/18	0.0000	02/21/18	0.0000	02/21/18	0.0300
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum	0.0000		0.0010		0.0000		0.0000		0.0300
Maximum	0.0000		0.0010		0.0000		0.0000		0.0300
Average	0.0000		0.0010		0.0000		0.0000		0.0300
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	02/21/18 0.0000	02/21/18	0.0000	01/30/18	0.1300	02/21/18	0.0000	01/30/18	0.1000
Sample #2 Date, Result				02/21/18	0.1400			02/21/18	0.1400
Sample #3 Date, Result				03/07/18	0.1300			03/07/18	0.0900
Minimum	0.0000		0.0000		0.1300		0.0000		0.0900
Maximum	0.0000		0.0000		0.1400		0.0000		0.1400
Average	0.0000		0.0000		0.1333		0.0000		0.1100
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	01/30/18 0.6600	01/30/18	0.0000	02/21/18	0.0000	01/30/18	0.0000	01/30/18	0.0000
Sample #2 Date, Result	02/21/18 0.5800	02/21/18	0.0000			02/21/18	0.0000	02/21/18	0.0000
Sample #3 Date, Result	03/07/18 0.0900	03/07/18	0.0000			03/07/18	0.0012	03/07/18	0.0000
Minimum	0.0900		0.0000		0.0000		0.0000		0.0000
Maximum	0.6600		0.0000		0.0000		0.0012		0.0000
Average	0.4433		0.0000		0.0000		0.0004		0.0000
Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	01/30/18 0.8000	02/21/18	2.10	01/30/18	97.0000	01/30/18	170.00	01/30/18	140.00
Sample #2 Date, Result	02/21/18 0.4600			02/21/18	31.0000	02/21/18	190.00	02/21/18	4.70
Sample #3 Date, Result	03/07/18 1.0000			03/07/18	43.0000	03/07/18	220.00	03/07/18	10.00
Minimum	0.4600		2.1000		31.0000		170.00		4.70
Maximum	1.0000		2.1000		97.0000		220.00		140.00
Average	0.7533		2.1000		57.0000		193.33		51.57
Sulfate									
Sample #1 Date, Result	01/30/18 32.000								
Sample #2 Date, Result	02/21/18 27.000								
Sample #3 Date, Result	03/07/18 25.000								
Minimum	25.000								
Maximum	32.000								
Average	28.000								

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: ICO Polymers North America, Inc. (IPNA)

Daily Max Limits					Other Limits				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Daily Minimum	Daily Maximum	Violations
Arsenic	mg/L	1.31	0	0	Field pH	su	5	10	0
Cadmium	mg/L		0	0					
Copper	mg/L	0.88	0	0					
Lead	mg/L	2.28	0	0					
Molybdenum	mg/L	2.8	0	0					
Nickel	mg/L	0.80	0	0					
Silver	mg/L		0	0					
Thallium	mg/L		0	0					
Zinc	mg/L	5.5	0	0					
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0					
Fluoranthene	mg/L		0	0					
Fluoride	mg/L	30	0	0					
Mercury	mg/L	0.0002	0	0					
Ammonia	mg/L	134	0	0					
Phosphorus	mg/L	31	0	0					
Phenols	mg/L	0.96	0	0					
Chromium	mg/L	7.0	0	0					
Available Cyanide	mg/L	0.019	0	0					
Oil & Grease	mg/L	117	0	0					
Residual Chlorine	mg/L		0	0					

\*Site Specific Limit  
\*\*If not specified, the unit is in mg/L

# of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.  
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.



East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Jan 30, 2018

Industry Name: Lakeshore Railcar & Tanker Services

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/11/18	7.8	01/11/18	0.0000	01/18/18	0.0002	01/11/18	0.0100	01/11/18	0.0000
Sample #2 Date, Result	01/24/18	8.4	01/18/18	0.0007			01/18/18	0.1100	01/18/18	0.0010
Sample #3 Date, Result			01/24/18	0.0000			01/24/18	0.0450	01/24/18	0.0000
Minimum		7.8		0.0000		0.0002		0.0100		0.0000
Maximum		8.4		0.0007		0.0002		0.1100		0.0010
Average		8.1		0.0002		0.0002		0.0550		0.0003
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	01/18/18	0.0083	01/18/18	0.0140	01/11/18	0.0000	01/11/18	0.0000	01/11/18	0.0000
Sample #2 Date, Result					01/18/18	0.0001	01/18/18	0.0007	01/18/18	0.0110
Sample #3 Date, Result					01/24/18	0.0000	01/24/18	0.0000	01/24/18	0.0049
Minimum		0.0083		0.0140		0.0000		0.0000		0.0000
Maximum		0.0083		0.0140		0.0001		0.0007		0.0110
Average		0.0083		0.0140		0.0000		0.0002		0.0053
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	01/18/18	0.0190	01/18/18	0.0020	01/11/18	0.1000	01/11/18	0.00000	01/11/18	1.9000
Sample #2 Date, Result					01/18/18	0.1200	01/18/18	0.00010	01/18/18	0.5000
Sample #3 Date, Result					01/24/18	0.1400	01/24/18	0.00000	01/24/18	0.9000
Minimum		0.0190		0.0020		0.1000		0.00000		0.5000
Maximum		0.0190		0.0020		0.1400		0.00010		1.9000
Average		0.0190		0.0020		0.1200		0.00003		1.1000
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	01/11/18	0.1900	01/11/18	0.0500	01/11/18	0.0040	01/11/18	0.0066	01/11/18	4.20
Sample #2 Date, Result	01/18/18	0.3200	01/18/18	0.0300	01/18/18	0.0025	01/18/18	0.0180	01/18/18	3.25
Sample #3 Date, Result	01/24/18	0.2200	01/24/18	0.0300	01/24/18	0.0046	01/24/18	0.0054	01/24/18	21.80
Minimum		0.1900		0.0300		0.0025		0.0054		3.25
Maximum		0.3200		0.0500		0.0046		0.0180		21.80
Average		0.2433		0.0367		0.0037		0.0100		9.75
	Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	01/11/18	0.2700								
Sample #2 Date, Result	01/18/18	0.0200								
Sample #3 Date, Result										
Minimum		0.0200								
Maximum		0.2700								
Average		0.1450								
	Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	01/11/18	28.00	01/11/18	1,600.00	01/11/18	10.00			01/11/18	2,600.00
Sample #2 Date, Result	01/24/18	45.00	01/24/18	1,200.00	01/18/18	13.00			01/18/18	3,000.00
Sample #3 Date, Result					01/24/18	23.00			01/24/18	4,100.00
Minimum		28.00		1,200.00		10.00				2,600.00
Maximum		45.00		1,600.00		23.00				4,100.00
Average		36.50		1,400.00		15.33				3,233.33

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Jan 30, 2018

Industry Name: Lakeshore Railcar & Tanker Services

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										
	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Jan 30, 2018

Industry Name: Lakeshore Railcar & Tanker Services

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	0.162	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L	0.474	0	0	Arsenic	mg/L	0.1040	0.0002	0
Copper	mg/L	0.5	0	0	Cadmium	mg/L	0.0962	0.0002	0
Lead	mg/L	0.350	0	0	Chromium	mg/L	0.3230	0.0037	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.2420	0.0550	0

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Feb 01, 2018 to Feb 28, 2018

Industry Name:

Lakeshore Railcar & Tanker Services

		Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	02/15/18	9.2	02/15/18	0.0093		02/15/18	0.1100	02/15/18	0.0000		
Sample #2 Date, Result	02/27/18	9.5	02/27/18	0.0000		02/27/18	0.0940	02/27/18	0.0000		
Sample #3 Date, Result											
Minimum		9.2		0.0000			0.0940		0.0000		
Maximum		9.5		0.0093			0.1100		0.0000		
Average		9.4		0.0047			0.1020		0.0000		
		Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result					02/15/18	0.0000		02/15/18	0.0000	02/15/18	0.0034
Sample #2 Date, Result					02/27/18	0.0000		02/27/18	0.0000	02/27/18	0.0250
Sample #3 Date, Result											
Minimum						0.0000			0.0000		0.0034
Maximum						0.0000			0.0000		0.0250
Average						0.0000			0.0000		0.0142
		Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					02/15/18	0.3000		02/15/18	0.00000	02/15/18	46.0000
Sample #2 Date, Result					02/27/18	0.1600		02/27/18	0.00000	02/27/18	10.0000
Sample #3 Date, Result											
Minimum						0.1600			0.00000		10.0000
Maximum						0.3000			0.00000		46.0000
Average						0.2300			0.00000		28.0000
		Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	02/15/18	0.1400	02/15/18	0.0800	02/15/18	0.0019	02/15/18	0.0263	02/15/18	2.00	
Sample #2 Date, Result	02/27/18	0.1600	02/27/18	0.0400	02/27/18	0.0025	02/27/18	0.0056	02/27/18	1.80	
Sample #3 Date, Result											
Minimum		0.1400		0.0400		0.0019		0.0056		1.80	
Maximum		0.1600		0.0800		0.0025		0.0263		2.00	
Average		0.1500		0.0600		0.0022		0.0159		1.90	
		Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	02/15/18	0.0400									
Sample #2 Date, Result	02/27/18	0.1000									
Sample #3 Date, Result											
Minimum		0.0400									
Maximum		0.1000									
Average		0.0700									
		Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	02/15/18	2,300.00	02/15/18	6,300.00	02/15/18	18.00				02/15/18	3,600.00
Sample #2 Date, Result	02/27/18	660.00	02/27/18	2,500.00	02/27/18	18.00				02/27/18	1,100.00
Sample #3 Date, Result											
Minimum		660.00		2,500.00		18.00					1,100.00
Maximum		2,300.00		6,300.00		18.00					3,600.00
Average		1,480.00		4,400.00		18.00					2,350.00

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Feb 01, 2018 to Feb 28, 2018

Industry Name:

Lakeshore Railcar & Tanker Services

		Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result											
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum											
Maximum											
Average											
		o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result											
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum											
Maximum											
Average											

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Feb 01, 2018 to Feb 28, 2018

Industry Name:

Lakeshore Railcar & Tanker Services

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	0.162	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L	0.474	0	0	Arsenic	mg/L	0.1040	0.0047	0
Copper	mg/L	0.5	0	0	Cadmium	mg/L	0.0962		
Lead	mg/L	0.350	0	0	Chromium	mg/L	0.3230	0.0022	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.2420	0.1020	0

Industry Name:		Lakeshore Railcar & Tanker Services							
Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	03/08/18 8.3	03/08/18 0.0000	03/08/18 0.0001	03/08/18 0.0300	03/08/18 0.0000				
Sample #2 Date, Result	03/28/18 8.7	03/28/18 0.0089		03/28/18 0.0120	03/28/18 0.0000				
Sample #3 Date, Result									
Minimum	8.3	0.0000	0.0001	0.0120	0.0000				
Maximum	8.7	0.0089	0.0001	0.0300	0.0000				
Average	8.5	0.0045	0.0001	0.0210	0.0000				
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	03/08/18 0.0150	03/08/18 0.0000	03/08/18 0.0000	03/08/18 0.0000	03/08/18 0.0000				
Sample #2 Date, Result			03/28/18 0.0000	03/28/18 0.0000	03/28/18 0.0000				
Sample #3 Date, Result									
Minimum	0.0150	0.0000	0.0000	0.0000	0.0000				
Maximum	0.0150	0.0000	0.0000	0.0000	0.0000				
Average	0.0150	0.0000	0.0000	0.0000	0.0000				
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	03/08/18 0.0000	03/08/18 0.0000	03/08/18 0.5000	03/08/18 0.00020	03/08/18 0.4800				
Sample #2 Date, Result			03/28/18 1.1000	03/28/18 0.00000	03/28/18 0.7800				
Sample #3 Date, Result									
Minimum	0.0000	0.0000	0.5000	0.00000	0.4800				
Maximum	0.0000	0.0000	1.1000	0.00020	0.7800				
Average	0.0000	0.0000	0.8000	0.00010	0.6300				
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	03/08/18 0.0800	03/08/18 0.0500	03/08/18 0.0032	03/08/18 0.0060	03/08/18 7.20				
Sample #2 Date, Result	03/28/18 1.3500	03/28/18 0.0600	03/28/18 0.0039	03/28/18 0.0000	03/28/18 5.10				
Sample #3 Date, Result									
Minimum	0.0800	0.0500	0.0032	0.0000	5.10				
Maximum	1.3500	0.0600	0.0039	0.0060	7.20				
Average	0.7150	0.0550	0.0036	0.0030	6.15				
Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	03/08/18 0.2600								
Sample #2 Date, Result	03/28/18 0.4000								
Sample #3 Date, Result									
Minimum	0.2600								
Maximum	0.4000								
Average	0.3300								
Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	03/08/18 230.00	03/08/18 1,200.00	03/08/18 6.70	03/08/18 150.00	03/08/18 610.00				
Sample #2 Date, Result	03/28/18 250.00	03/28/18 2,100.00	03/28/18 17.00		03/28/18 3,900.00				
Sample #3 Date, Result									
Minimum	230.00	1,200.00	6.70	150.00	610.00				
Maximum	250.00	2,100.00	17.00	150.00	3,900.00				
Average	240.00	1,650.00	11.85	150.00	2,255.00				

Industry Name:		Lakeshore Railcar & Tanker Services							
Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									
o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									

Industry Name:		Lakeshore Railcar & Tanker Services							
Daily Max Limits		Monthly Average Limits*							
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	0.162	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L	0.474	0	0	Arsenic	mg/L	0.1040	0.0045	0
Copper	mg/L	0.5	0	0	Cadmium	mg/L	0.0962	0.0001	0
Lead	mg/L	0.350	0	0	Chromium	mg/L	0.3230	0.0036	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.2420	0.0210	0

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: *Outfall 611 - ArcelorMittal - Harbor East*

Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/09/18 7.5	01/09/18 0.0000	0.0000	03/21/18 0.0001	0.0001	03/21/18 0.0190	0.0190	01/09/18 0.0000	0.0000
Sample #2 Date, Result	02/22/18 7.7	02/22/18 0.0000	0.0000					02/22/18 0.0000	0.0000
Sample #3 Date, Result	03/21/18 7.7	03/21/18 0.0000	0.0000					03/21/18 0.0000	0.0000
Minimum	7.5	0.0000	0.0000	0.0001	0.0001	0.0190	0.0190	0.0000	0.0000
Maximum	7.7	0.0000	0.0000	0.0001	0.0001	0.0190	0.0190	0.0000	0.0000
Average	7.6	0.0000	0.0000	0.0001	0.0001	0.0190	0.0190	0.0000	0.0000
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	03/21/18 0.0000	03/21/18 0.0057	0.0057	03/21/18 0.0000	0.0000	01/09/18 0.0000	0.0000	01/09/18 0.0081	0.0081
Sample #2 Date, Result						02/22/18 0.0000	0.0000	02/22/18 0.0470	0.0470
Sample #3 Date, Result						03/21/18 0.0000	0.0000	03/21/18 0.0730	0.0730
Minimum	0.0000	0.0057	0.0057	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081
Maximum	0.0000	0.0057	0.0057	0.0000	0.0000	0.0000	0.0000	0.0730	0.0730
Average	0.0000	0.0057	0.0057	0.0000	0.0000	0.0000	0.0000	0.0427	0.0427
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	03/21/18 0.0000	03/21/18 0.0000	0.0000	01/09/18 0.1500	0.1500	03/21/18 0.0000	0.0000	03/21/18 0.9600	0.9600
Sample #2 Date, Result				02/22/18 0.2500	0.2500				
Sample #3 Date, Result				03/21/18 0.1500	0.1500				
Minimum	0.0000	0.0000	0.0000	0.1500	0.1500	0.0000	0.0000	0.9600	0.9600
Maximum	0.0000	0.0000	0.0000	0.2500	0.2500	0.0000	0.0000	0.9600	0.9600
Average	0.0000	0.0000	0.0000	0.1833	0.1833	0.0000	0.0000	0.9600	0.9600
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	03/21/18 1.3200	03/21/18 0.0000	0.0000	03/21/18 0.0029	0.0029	03/21/18 0.0000	0.0000	03/21/18 3.7000	3.7000
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum	1.3200	0.0000	0.0000	0.0029	0.0029	0.0000	0.0000	3.7000	3.7000
Maximum	1.3200	0.0000	0.0000	0.0029	0.0029	0.0000	0.0000	3.7000	3.7000
Average	1.3200	0.0000	0.0000	0.0029	0.0029	0.0000	0.0000	3.7000	3.7000
Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	03/21/18 0.4400	03/21/18 24.00	24.00	01/09/18 36.00	36.00	01/09/18 290.00	290.00	01/09/18 8.50	8.50
Sample #2 Date, Result				02/22/18 64.00	64.00	02/22/18 270.00	270.00	02/22/18 50.00	50.00
Sample #3 Date, Result				03/21/18 68.00	68.00	03/21/18 310.00	310.00	03/21/18 33.00	33.00
Minimum	0.4400	24.00	24.00	36.00	36.00	270.00	270.00	8.50	8.50
Maximum	0.4400	24.00	24.00	68.00	68.00	310.00	310.00	50.00	50.00
Average	0.4400	24.00	24.00	56.00	56.00	290.00	290.00	30.50	30.50
Sulfate									
Sample #1 Date, Result	01/09/18 28.000								
Sample #2 Date, Result	02/22/18 93.000								
Sample #3 Date, Result	03/21/18 62.000								
Minimum	28.000								
Maximum	93.000								
Average	61.000								

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: *Outfall 611 - ArcelorMittal - Harbor East*

Daily Max Limits					Other Limits				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Daily Minimum	Daily Maximum	Violations
Arsenic	mg/L	1.31	0	0	Field pH	su	5	10	0
Cadmium	mg/L		0	0					
Copper	mg/L	0.88	0	0					
Lead	mg/L	2.28	0	0					
Molybdenum	mg/L	2.8	0	0					
Nickel	mg/L	0.80	0	0					
Silver	mg/L		0	0					
Thallium	mg/L		0	0					
Zinc	mg/L	5.5	0	0					
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0					
Fluoranthene	mg/L		0	0					
Fluoride	mg/L	30	0	0					
Mercury	mg/L	0.0002	0	0					
Ammonia	mg/L	134	0	0					
Phosphorus	mg/L	31	0	0					
Phenols	mg/L	0.96	0	0					
Chromium	mg/L	7.0	0	0					
Available Cyanide	mg/L	0.019	0	0					
Oil & Grease	mg/L	117	0	0					
Residual Chlorine	mg/L		0	0					

\*Site Specific Limit  
\*\*If not specified, the unit is in mg/L

# of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.  
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Jan 30, 2018

Industry Name: *Safety Kleen Systems*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/08/18	7.7	01/08/18	0.0085			01/08/18	0.0012	01/08/18	0.00000
Sample #2 Date, Result	01/25/18	6.4	01/25/18	0.0037			01/25/18	0.0180	01/25/18	0.00000
Sample #3 Date, Result										
Minimum		6.4		0.0037				0.0012		0.0000
Maximum		7.7		0.0085				0.0180		0.0000
Average		7.1		0.0061				0.0096		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	01/08/18	0.05800	01/08/18	0.00860			01/08/18	0.00000	01/08/18	0.0620
Sample #2 Date, Result	01/25/18	0.01800	01/25/18	0.01800			01/25/18	0.00000	01/25/18	0.0280
Sample #3 Date, Result										
Minimum		0.0180		0.0086				0.0000		0.0280
Maximum		0.0580		0.0180				0.0000		0.0620
Average		0.0380		0.0133				0.0000		0.0450
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					01/08/18	1.10	01/08/18	0.00026	01/08/18	29.00
Sample #2 Date, Result					01/25/18	0.63	01/25/18	0.00003	01/25/18	50.00
Sample #3 Date, Result										
Minimum						0.6300		0.0000		29.0000
Maximum						1.1000		0.0003		50.0000
Average						0.8650		0.0001		39.5000
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	01/08/18	0.2500	01/08/18	0.0400	01/08/18	0.0000	01/08/18	0.1440	01/08/18	1.5000
Sample #2 Date, Result	01/25/18	0.3400	01/25/18	0.0900	01/25/18	0.0400	01/25/18	0.0266	01/25/18	0.0000
Sample #3 Date, Result										
Minimum		0.2500		0.0400		0.0000		0.0266		0.0000
Maximum		0.3400		0.0900		0.0400		0.1440		1.5000
Average		0.2950		0.0650		0.0200		0.0853		0.7500
	Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	01/08/18	0.1000			01/08/18	270.000			01/08/18	420.00
Sample #2 Date, Result	01/25/18	0.0500			01/25/18	410.000			01/25/18	480.00
Sample #3 Date, Result										
Minimum		0.0500				270.000				420.00
Maximum		0.1000				410.000				480.00
Average		0.0750				340.000				450.00
	TDS		TSS							
Sample #1 Date, Result	01/08/18	850.00	01/08/18	73.00						
Sample #2 Date, Result	01/25/18	640.00	01/25/18	120.00						
Sample #3 Date, Result										
Minimum				73.00						
Maximum				120.00						
Average				96.50						

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Jan 30, 2018

Industry Name: *Safety Kleen Systems*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										
	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Jan 30, 2018

Industry Name: *Safety Kleen Systems*

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	1.310	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L		0	0	Arsenic	mg/L	0.1040	0.0061	0
Copper	mg/L	0.88	0	0	Cadmium	mg/L	0.0962		
Lead*	mg/L	2.280	0	0	Chromium	mg/L	0.4870	0.0200	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.3010	0.0096	0

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Feb 01, 2018 to Feb 28, 2018

Industry Name:

*Safety Kleen Systems*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	02/06/18	6.7	02/06/18	0.0075			02/06/18	0.0120	02/06/18	0.00000
Sample #2 Date, Result	02/26/18	7.5	02/26/18	0.0000			02/26/18	0.0019	02/26/18	0.00000
Sample #3 Date, Result										
Minimum		6.7		0.0000				0.0019		0.0000
Maximum		7.5		0.0075				0.0120		0.0000
Average		7.1		0.0038				0.0070		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	02/06/18	0.01200	02/06/18	0.00960			02/06/18	0.00000	02/06/18	0.0220
Sample #2 Date, Result	02/26/18	0.01900	02/26/18	0.00560			02/26/18	0.00000	02/26/18	0.0066
Sample #3 Date, Result										
Minimum		0.0120		0.0056				0.0000		0.0066
Maximum		0.0190		0.0096				0.0000		0.0220
Average		0.0155		0.0076				0.0000		0.0143
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					02/06/18	0.36	02/06/18	0.00008	02/06/18	54.00
Sample #2 Date, Result					02/26/18	0.40	02/26/18	0.00000	02/26/18	62.00
Sample #3 Date, Result										
Minimum						0.3600		0.0000		54.0000
Maximum						0.4000		0.0001		62.0000
Average						0.3800		0.0000		58.0000
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	02/06/18	0.2400	02/06/18	0.1000	02/06/18	0.0290	02/06/18	0.2470	02/06/18	2.1000
Sample #2 Date, Result	02/26/18	0.1700	02/26/18	0.0500	02/26/18	0.0019	02/26/18	0.0503	02/26/18	0.0000
Sample #3 Date, Result										
Minimum		0.1700		0.0500		0.0019		0.0503		0.0000
Maximum		0.2400		0.1000		0.0290		0.2470		2.1000
Average		0.2050		0.0750		0.0155		0.1487		1.0500
	Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	02/06/18	0.0000			02/06/18	380.000			02/06/18	560.00
Sample #2 Date, Result	02/26/18	0.0900			02/26/18	320.000			02/26/18	420.00
Sample #3 Date, Result										
Minimum		0.0000				320.000				420.00
Maximum		0.0900				380.000				560.00
Average		0.0450				350.000				490.00
	TDS		TSS							
Sample #1 Date, Result	02/06/18	590.00	02/06/18	83.00						
Sample #2 Date, Result	02/26/18	550.00	02/26/18	22.00						
Sample #3 Date, Result										
Minimum				22.00						
Maximum				83.00						
Average				52.50						

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Feb 01, 2018 to Feb 28, 2018

Industry Name:

*Safety Kleen Systems*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										
	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Feb 01, 2018 to Feb 28, 2018

Industry Name:

*Safety Kleen Systems*

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	1.310	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L		0	0	Arsenic	mg/L	0.1040	0.0038	0
Copper	mg/L	0.88	0	0	Cadmium	mg/L	0.0962		
Lead*	mg/L	2.280	0	0	Chromium	mg/L	0.4870	0.0155	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.3010	0.0070	0

Industry Name:		Safety Klean Systems									
		Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	03/13/18	7.1	03/13/18	0.0000	03/27/18	0.00050	03/13/18	0.0100	03/13/18	0.00000	
Sample #2 Date, Result	03/27/18	6.3	03/27/18	0.0064			03/27/18	0.0048	03/27/18	0.00000	
Sample #3 Date, Result											
Minimum		6.3		0.0000		0.0005		0.0048		0.0000	
Maximum		7.1		0.0064		0.0005		0.0100		0.0000	
Average		6.7		0.0032		0.0005		0.0074		0.0000	
		Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	03/13/18	0.00700	03/13/18	0.00840	03/27/18	0.00000	03/13/18	0.00000	03/13/18	0.0430	
Sample #2 Date, Result	03/27/18	0.01100	03/27/18	0.01000			03/27/18	0.00000	03/27/18	0.0190	
Sample #3 Date, Result											
Minimum		0.0070		0.0084		0.0000		0.0000		0.0190	
Maximum		0.0110		0.0100		0.0000		0.0000		0.0430	
Average		0.0090		0.0092		0.0000		0.0000		0.0310	
		Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	03/27/18	0.0000	03/27/18	0.000	03/13/18	0.19	03/13/18	0.00000	03/13/18	46.00	
Sample #2 Date, Result					03/27/18	0.24	03/27/18	0.00004	03/27/18	34.00	
Sample #3 Date, Result											
Minimum		0.0000		0.0000		0.1900		0.0000		34.0000	
Maximum		0.0000		0.0000		0.2400		0.0000		46.0000	
Average		0.0000		0.0000		0.2150		0.0000		40.0000	
		Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	03/13/18	0.1500	03/13/18	0.0500	03/13/18	0.0290	03/13/18	0.0175	03/13/18	2.5000	
Sample #2 Date, Result	03/27/18	0.2500	03/27/18	0.1000	03/27/18	0.0170	03/27/18	0.0418	03/27/18	0.0000	
Sample #3 Date, Result											
Minimum		0.1500		0.0500		0.0170		0.0175		0.0000	
Maximum		0.2500		0.1000		0.0290		0.0418		2.5000	
Average		0.2000		0.0750		0.0230		0.0297		1.2500	
		Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	03/13/18	0.0000			03/13/18	350.000	03/27/18	9.60	03/13/18	410.00	
Sample #2 Date, Result	03/27/18	0.3400			03/27/18	300.000			03/27/18	350.00	
Sample #3 Date, Result											
Minimum		0.0000				300.000		9.60		350.00	
Maximum		0.3400				350.000		9.60		410.00	
Average		0.1700				325.000		9.60		380.00	
		TDS		TSS							
Sample #1 Date, Result	03/13/18	480.00	03/13/18	51.00							
Sample #2 Date, Result	03/27/18	400.00	03/27/18	96.00							
Sample #3 Date, Result											
Minimum				51.00							
Maximum				96.00							
Average				73.50							

Industry Name:		Safety Klean Systems									
		Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result											
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum											
Maximum											
Average											
		o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result											
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum											
Maximum											
Average											

Industry Name:		Safety Klean Systems												
Daily Max Limits					Monthly Average Limits*									
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations					
Arsenic*	mg/L	1.310	0	0	Antimony	mg/L	0.2060							
Cadmium	mg/L		0	0	Arsenic	mg/L	0.1040	0.0032	0					
Copper	mg/L	0.88	0	0	Cadmium	mg/L	0.0962	0.0005	0					
Lead*	mg/L	2.280	0	0	Chromium	mg/L	0.4870	0.0230	0					
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240							
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.3010	0.0074	0					

East Chicago Sanitary District: Waste Water Division  
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Jan 01, 2018 to Mar 30, 2018

Industry Name: *United States Gypsum Company*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	01/31/18	7.9	01/31/18	0.0036	03/01/18	0.0001	01/31/18	0.0089	01/31/18	0.0000
Sample #2 Date, Result	02/15/18	7.5	02/15/18	0.0051			02/15/18	0.0170	02/15/18	0.0000
Sample #3 Date, Result	03/01/18	7.5	03/01/18	0.0000			03/01/18	0.0120	03/01/18	0.0000
Minimum		7.5		0.0000		0.0001		0.0089		0.0000
Maximum		7.9		0.0051		0.0001		0.0170		0.0000
Average		7.6		0.0029		0.0001		0.0126		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	03/01/18	0.0000	03/01/18	0.0000	01/31/18	0.0000	01/31/18	0.0000	03/01/18	0.0680
Sample #2 Date, Result					02/15/18	0.0000	02/15/18	0.0000		
Sample #3 Date, Result					03/01/18	0.0000	03/01/18	0.0000		
Minimum		0.0000		0.0000		0.0000		0.0000		0.0680
Maximum		0.0000		0.0000		0.0000		0.0000		0.0680
Average		0.0000		0.0000		0.0000		0.0000		0.0680
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	03/01/18	0.0000	03/01/18	0.0000	01/31/18	0.7300	03/01/18	0.0001	01/31/18	36.0000
Sample #2 Date, Result					02/15/18	0.3100			02/15/18	28.0000
Sample #3 Date, Result					03/01/18	0.6000			03/01/18	21.0000
Minimum		0.0000		0.0000		0.3100		0.0001		21.0000
Maximum		0.0000		0.0000		0.7300		0.0001		36.0000
Average		0.0000		0.0000		0.5467		0.0001		28.3333
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	01/31/18	5.3700	03/01/18	0.0400	03/01/18	0.0000	01/31/18	0.0008	01/31/18	11.2000
Sample #2 Date, Result	02/15/18	4.6800					02/15/18	0.0054	02/15/18	5.7000
Sample #3 Date, Result	03/01/18	2.0500					03/01/18	0.0012	03/01/18	7.9000
Minimum		2.0500		0.0400		0.0000		0.0008		5.7000
Maximum		5.3700		0.0400		0.0000		0.0054		11.2000
Average		4.0333		0.0400		0.0000		0.0024		8.2667
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	01/31/18	0.0200	03/01/18	89.00	01/31/18	260.00	01/31/18	1,400.00	01/31/18	53.00
Sample #2 Date, Result	02/15/18	0.1000			02/15/18	1,300.00	02/15/18	2,100.00	02/15/18	550.00
Sample #3 Date, Result	03/01/18	0.0000			03/01/18	370.00	03/01/18	1,000.00	03/01/18	58.00
Minimum		0.0000		89.00		260.00		1,000.00		53.00
Maximum		0.1000		89.00		1,300.00		2,100.00		550.00
Average		0.0400		89.00		643.33		1,500.00		220.33
	Sulfate									
Sample #1 Date, Result	01/31/18	430.000								
Sample #2 Date, Result	02/15/18	460.000								
Sample #3 Date, Result	03/01/18	230.000								
Minimum		230.000								
Maximum		460.000								
Average		373.333								

East Chicago Sanitary District: Waste Water Division  
Pretreatment Monitoring Report

Jan 01, 2018 to Mar 30, 2018

Industry Name: *United States Gypsum Company*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

\*Site Specific Limit

\*\*If not specified, the unit is in mg/L

# of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.